

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,031,474 B1  
APPLICATION NO. : 09/411143  
DATED : April 18, 2006  
INVENTOR(S) : Thomas C.K. Yuen, Alan D. Kraemer and Richard Oliver

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At sheet 11 of 53, line 3, delete “0db” and insert -- 0dB --, therefor.

At sheet 11 of 53, left hand side at the bottom, delete “--50db” and insert -- -50dB --, therefor.

At sheet 29 of 53, line 1, delete “FIG. 26A FIG. 26A” and insert -- FIG. 26A FIG. 26B--, therefor.

At sheet 31 of 53, FIG. 27, delete “CONNECTP6” and insert -- CONNECT P6 --, therefor.

At sheet 47 of 53, line 1, delete “200hZ” and insert -- 200Hz --, therefor.

At sheet 50 of 53, left hand side, delete “gAIN” and insert -- GAIN --, therefor.

At column 1, line 2, after “11/1993” insert -- H04S 01/00 --.

At column 1, line 3, after “8/1997” insert -- H04S 01/00 --.

At column 1, line 27, delete “Bice, Jr” and insert -- Bice, Jr. --, therefor.

At column 2, line 2, after “LLP” insert -- . --.

At column 2, line 3, delete “pp” and insert -- pp. --, therefor.

At column 2, line 4, delete “pdf>.” And insert -- pdf>, --, therefor.

At column 2, line 20, after “8/1983” insert -- H04S 01/00 --.

At column 8, line 57, after “6B” insert -- is --.

At column 23, line 54, before “A pole” delete “The”.

At column 23, line 65, delete “allow” and insert -- allows --, therefor.

At column 23, line 66, after “namely” delete “150” and insert -- 40-150 --, therefor.

At column 24, line 1, after “1413” insert --, 1415 --.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,031,474 B1

Page 2 of 3

APPLICATION NO. : 09/411143

DATED : April 18, 2006

INVENTOR(S) : Thomas C.K. Yuen, Alan D. Kraemer and Richard Oliver

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 24, line 39, delete "1505" and insert -- 1501 --, therefor.

At column 28, line 58, after "signals" delete "3".

At column 35, line 4, delete "P114." and insert -- P14 --, therefor.

At columns 37 and 38, line 63-67 and 1-4, please delete "The differential gain between

the left and right..... Frequency of  
the left and right input signals." and insert the  
same on line 64 of Col. 37 as a new  
paragraph.

At column 42, line 15, delete "kohms" and insert -- kohm --, therefor.

At column 42, line 16, delete "microfarads." and insert -- 3023. --, therefor.

At column 43, line 6, delete "33023." and insert -- 3023. --, therefor.

At column 48, line 8, in claim 1, delete "base" and insert --"bass"--, therefor.

At column 48, line 23, in claim 1, delete "base" and insert --"bass"--, therefor.

At column 49, line 4, in claim 5, delete "base" and insert --bass--, therefor.

At column 49, line 29, in claim 11, delete "claim 6," and insert -- claim 5, --, therefor.

At column 49, line 36, in claim 12, delete "a least" and insert -- at least --, therefor.

At column 49, line 42, in claim 12, after "envelope" insert -- ; --.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,031,474 B1  
APPLICATION NO. : 09/411143  
DATED : April 18, 2006  
INVENTOR(S) : Thomas C.K. Yuen, Alan D. Kraemer and Richard Oliver

Page 3 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 50, line 53 (approx.), in claim 21, delete “where” and insert -- wherein--, therefor.

At column 51, line 12, in claim 26, after “envelope” delete “of said”.

At column 51, line 58, in claim 32, delete “third-de” and insert -- third de --, therefor.

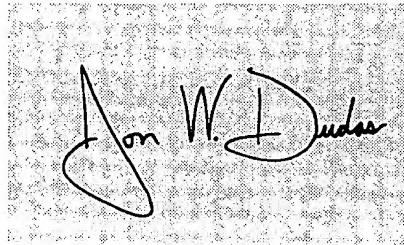
At column 52, line 41 (approx.), in claim 34, after “frequency” insert -- , --.

At column 52, line 20 (approximately), in claim 33, delete “base” and insert --bass--, therefor.

At column 54, line 4, in claim 35, delete “base” and insert --bass--, therefor.

Signed and Sealed this

Sixth Day of February, 2007



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*